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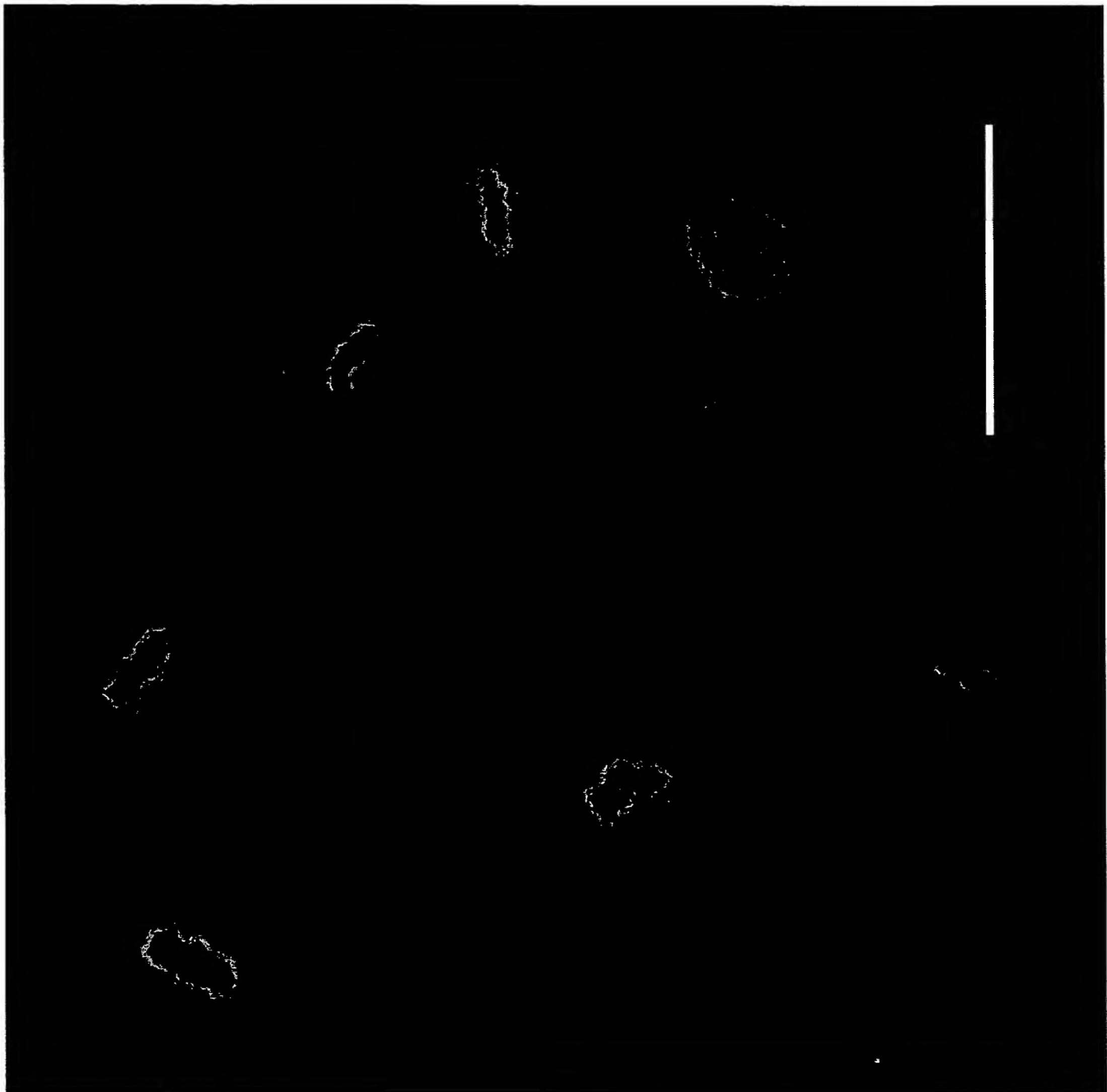
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Figure 1

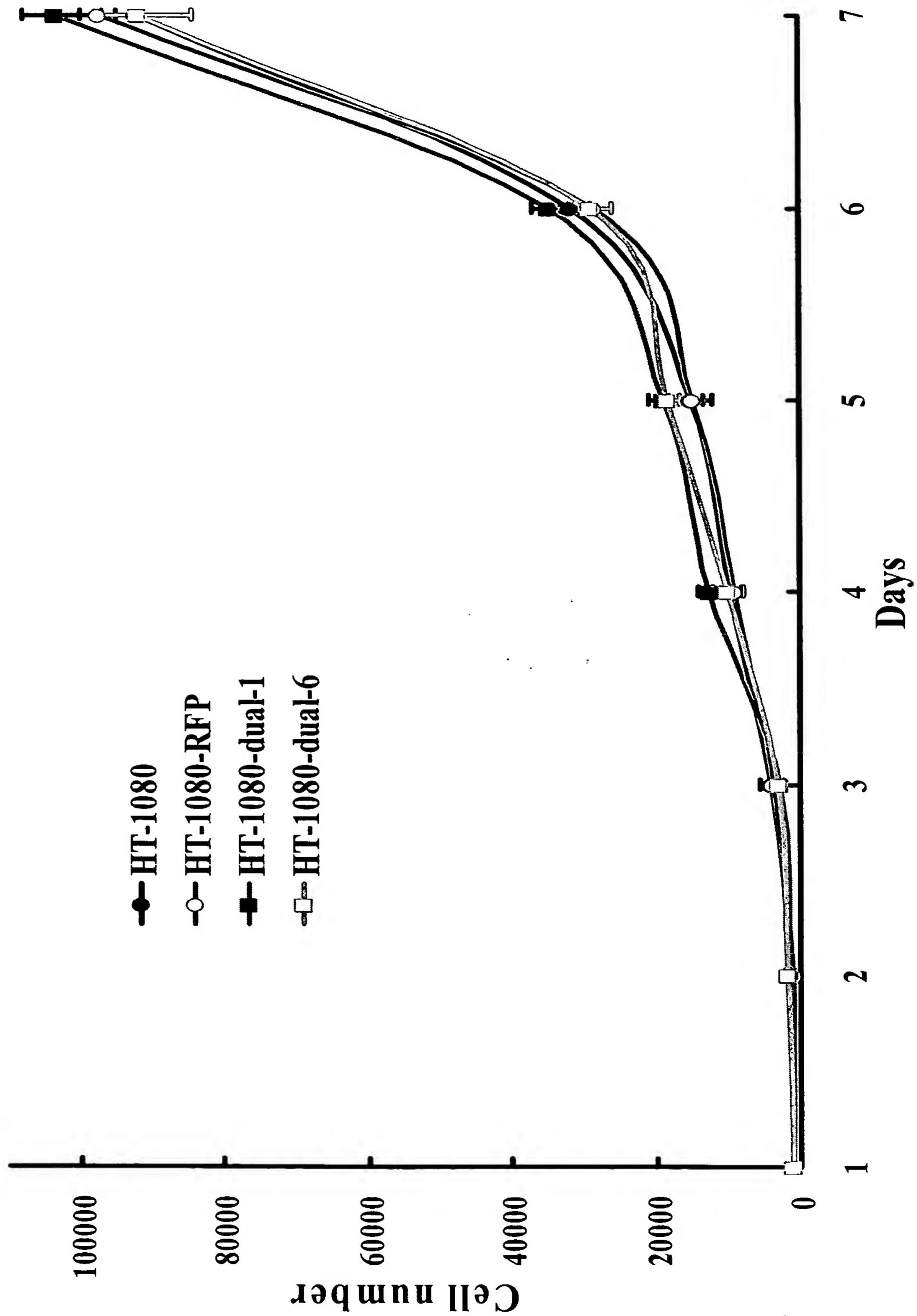
Title: REAL TIME MEASUREMENT OF CELLULAR RESPONSES
First Inventor: Ping JIANG
Application No. :10/643,785
Docket No.: 312762003800



sd-159855

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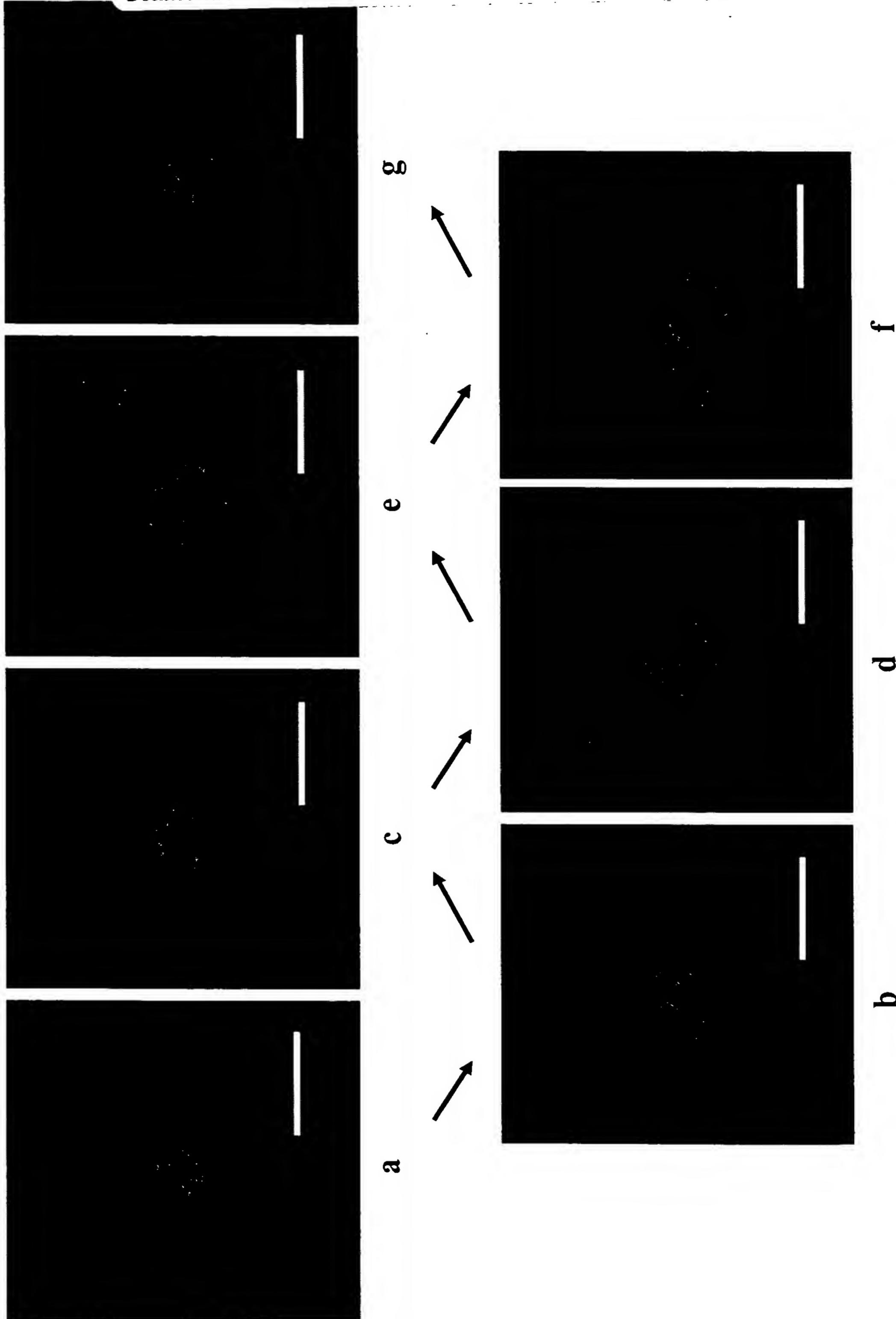
Figure 2



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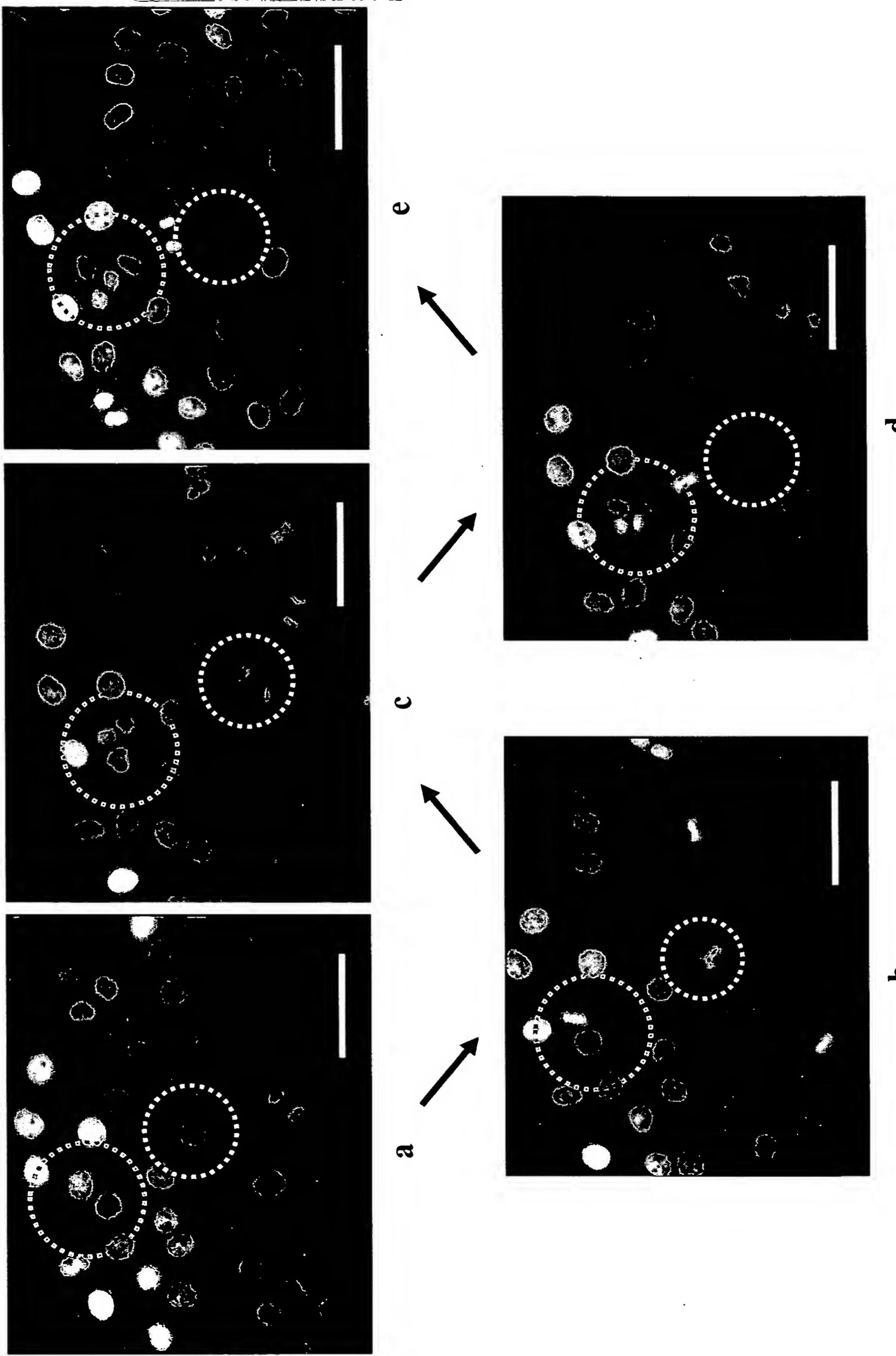
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Figure 3A



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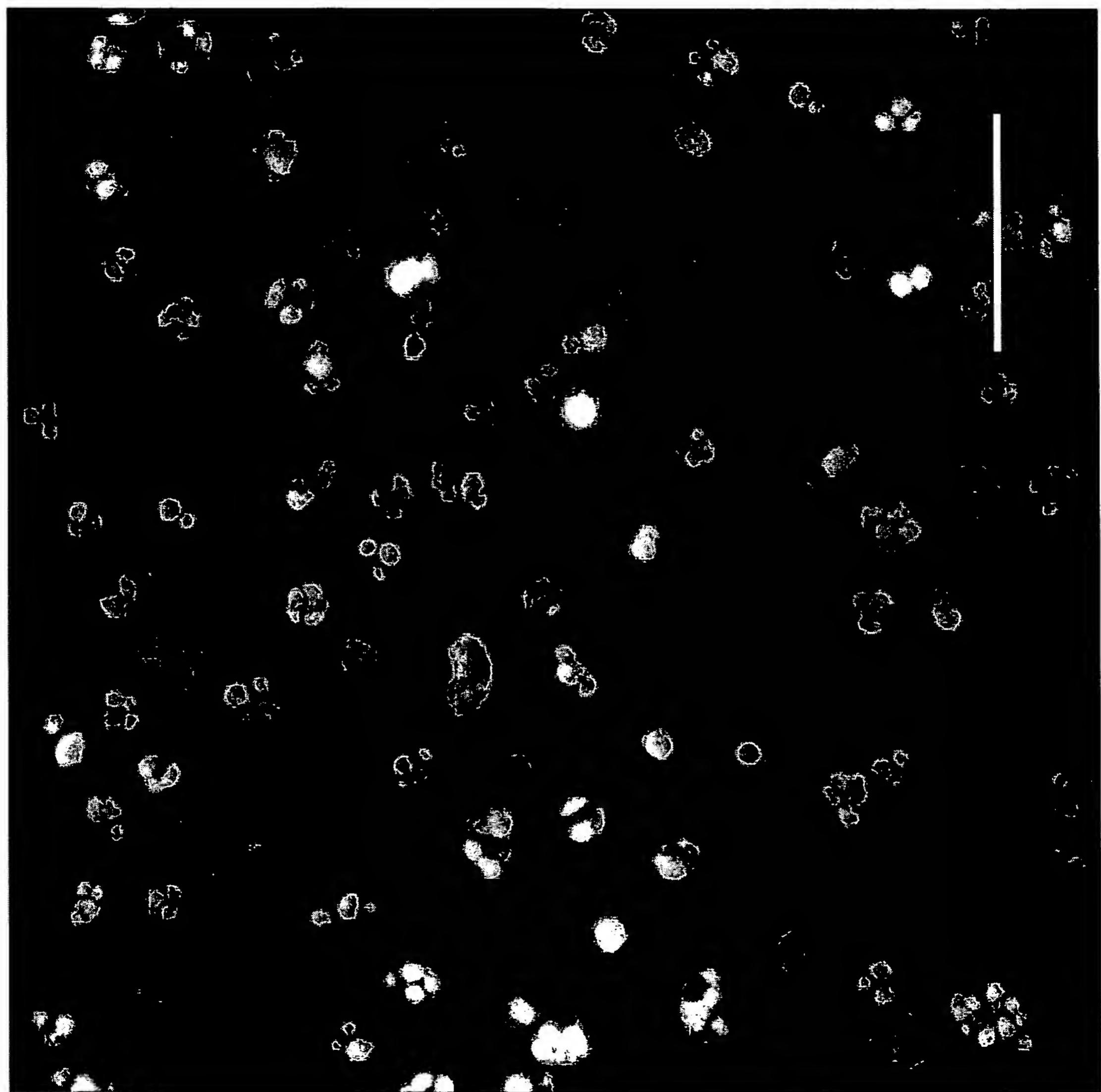
Figure 3B



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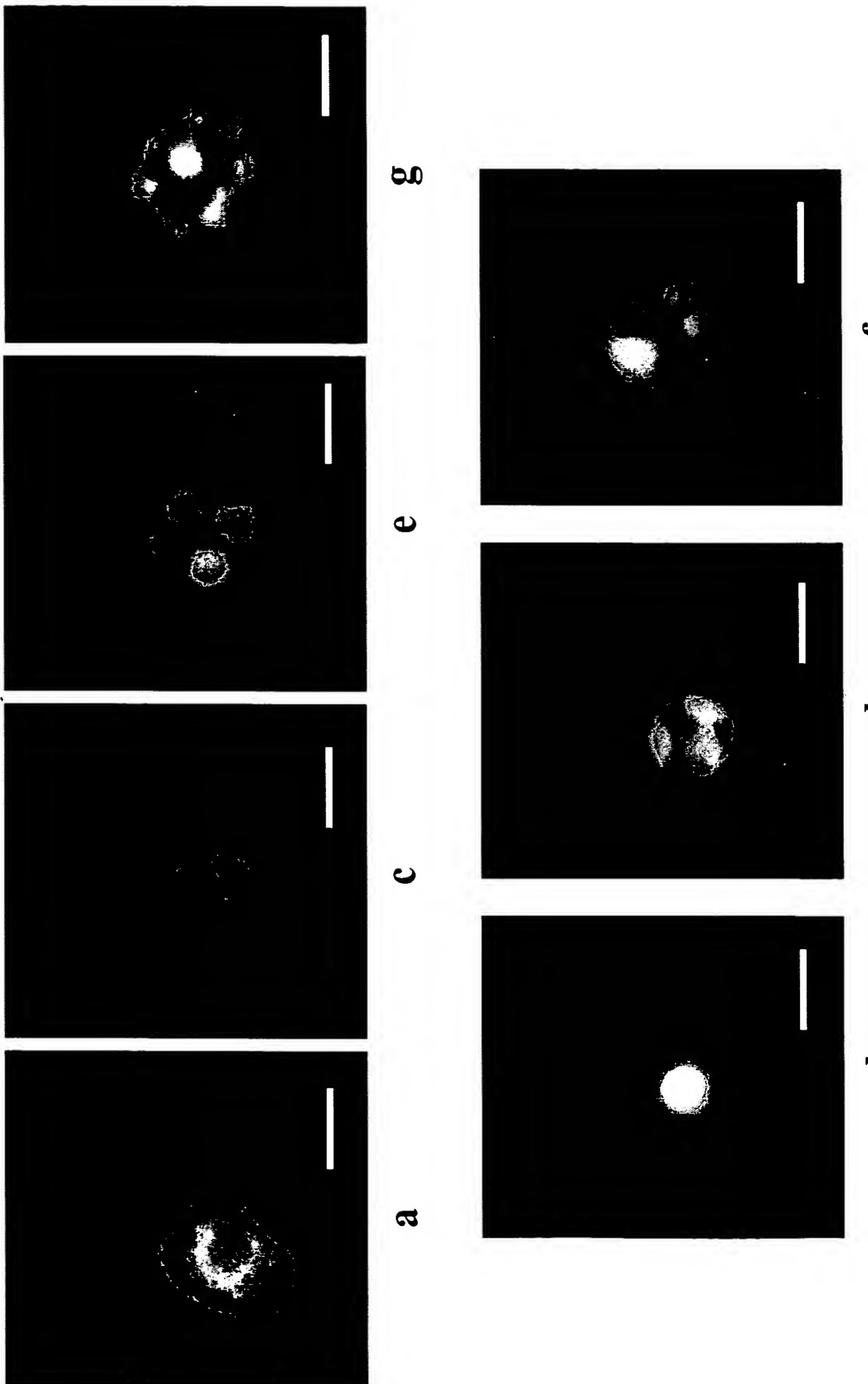
Figure 4A



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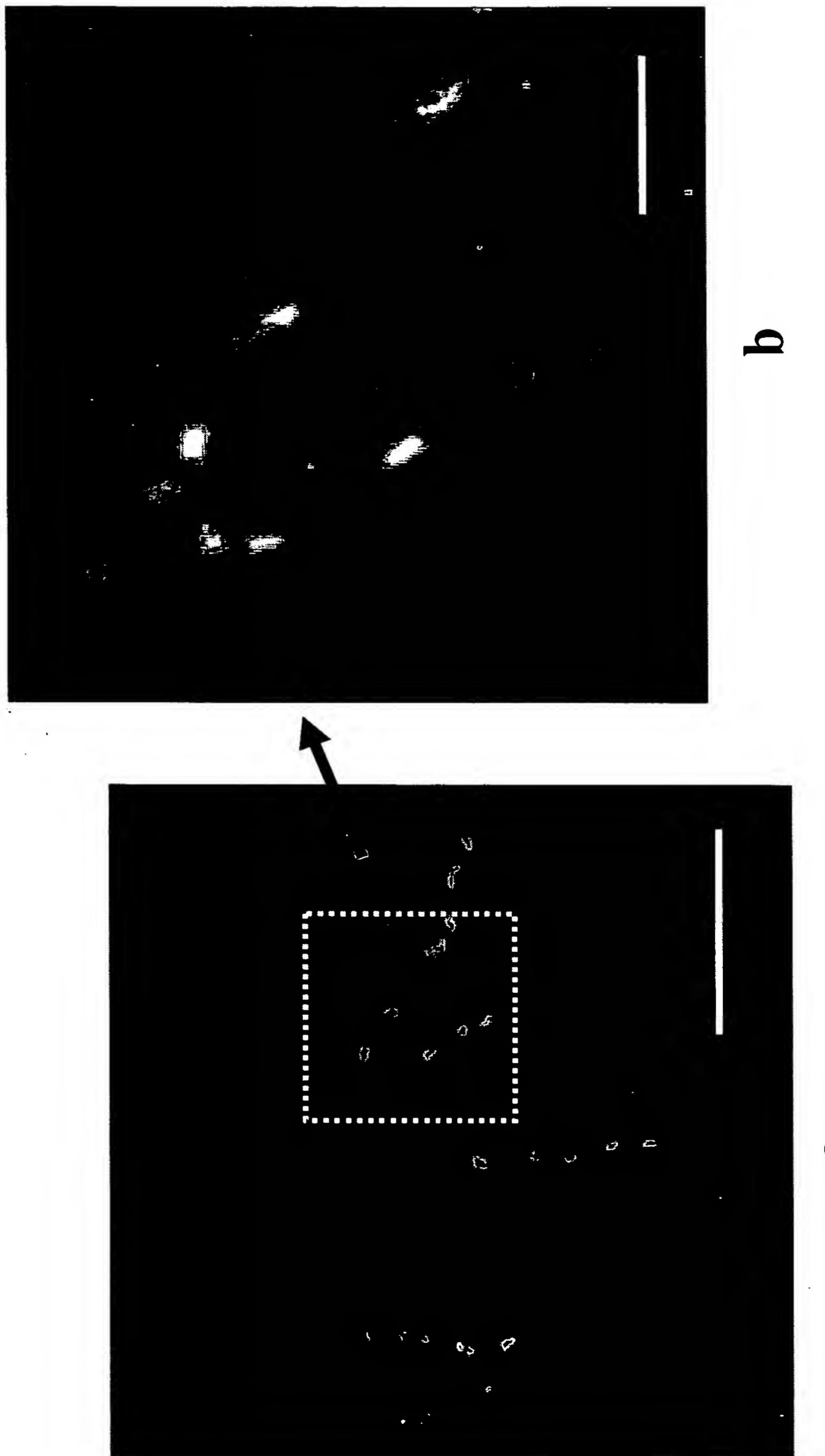
Figure 4B



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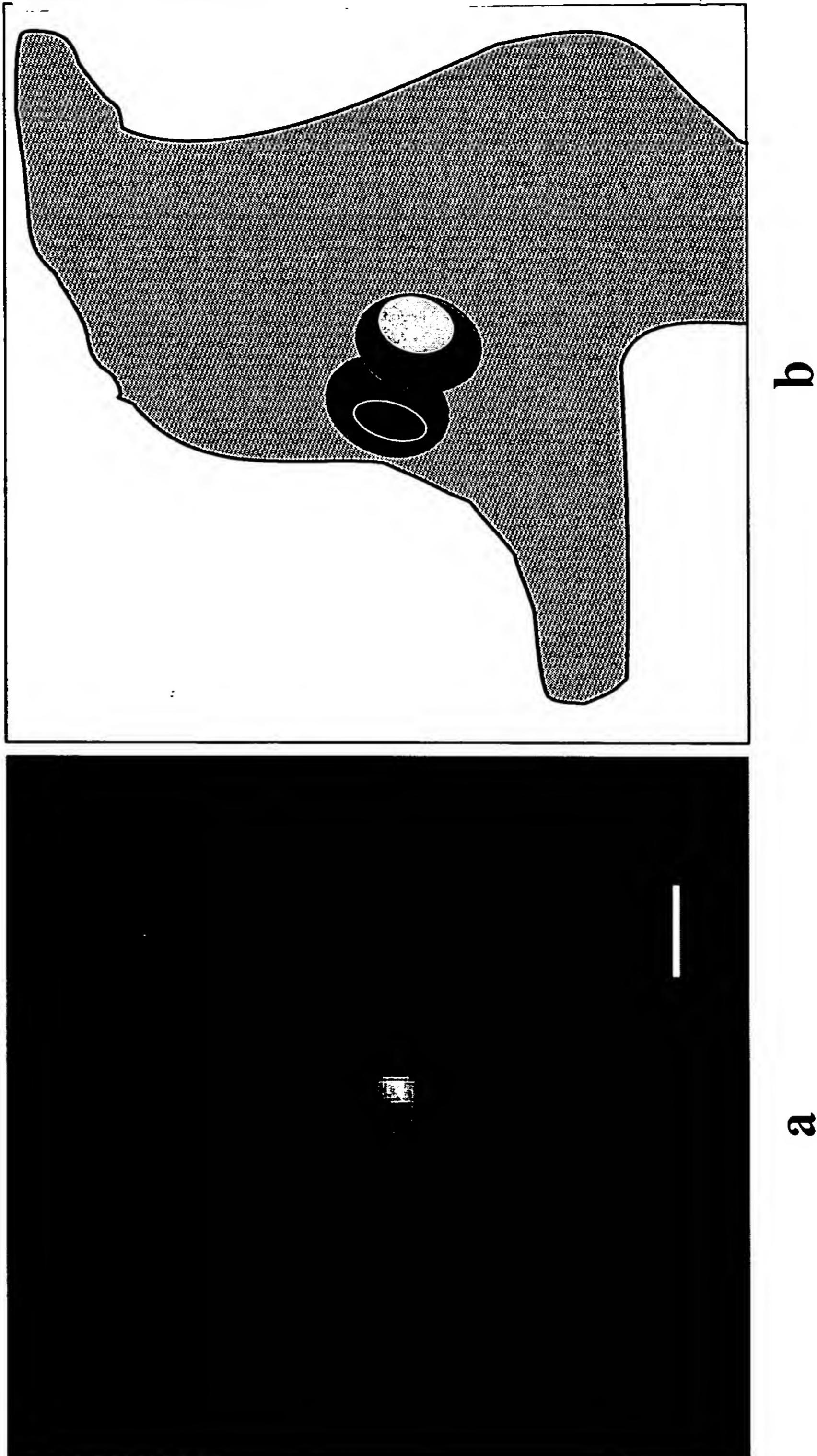
Figure 5



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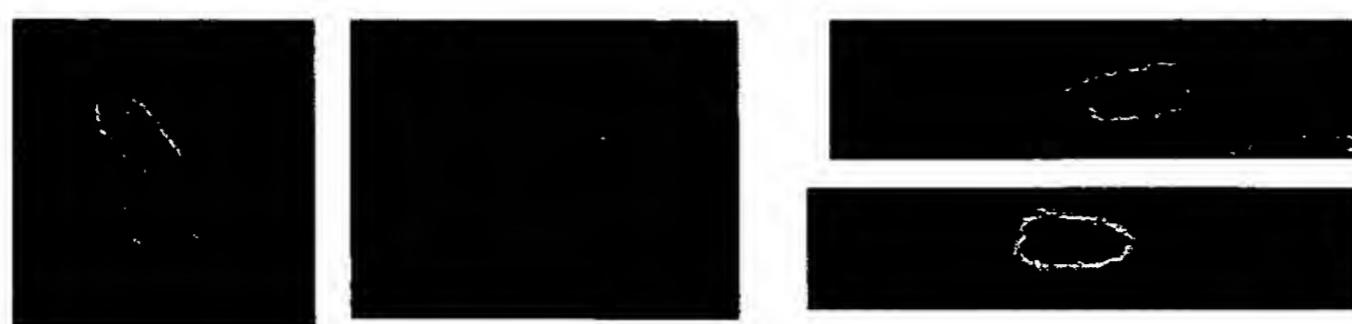
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Docket No.: 312762003800

Figure 6



sd-159855

G₁- Phase:



A

S- Phase:



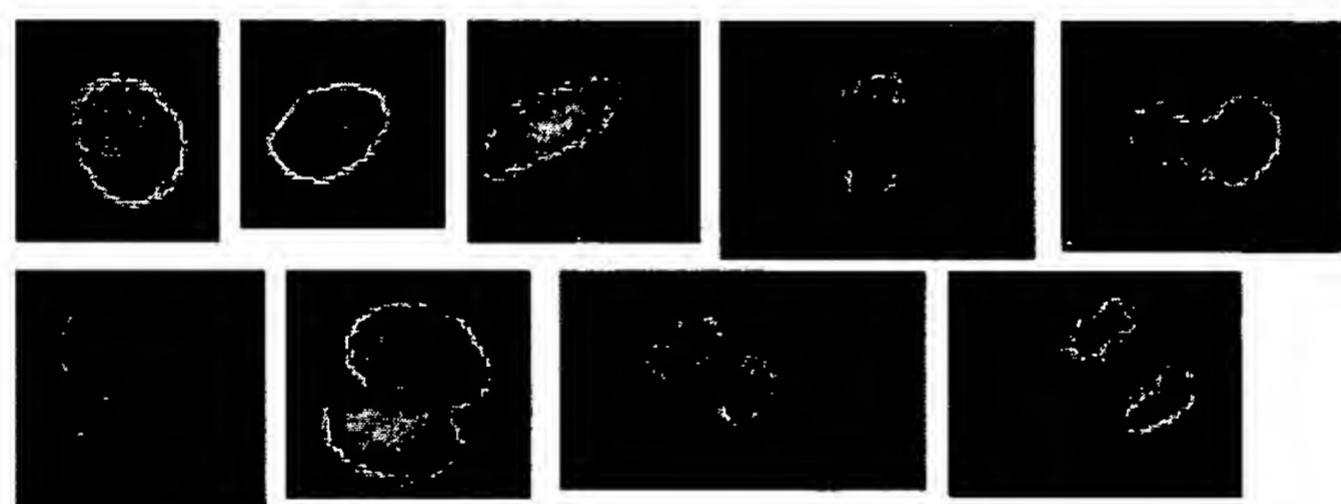
B

G₂- Phase:



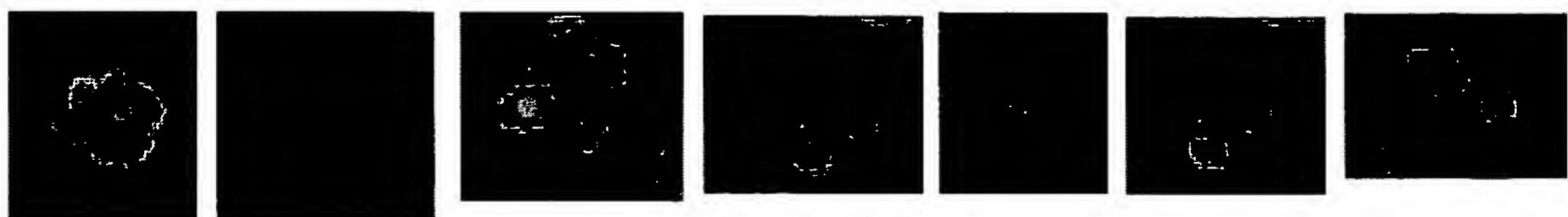
C

M- Phase:



D

Apoptotic Cells:



E

Figure 7

Figure 8

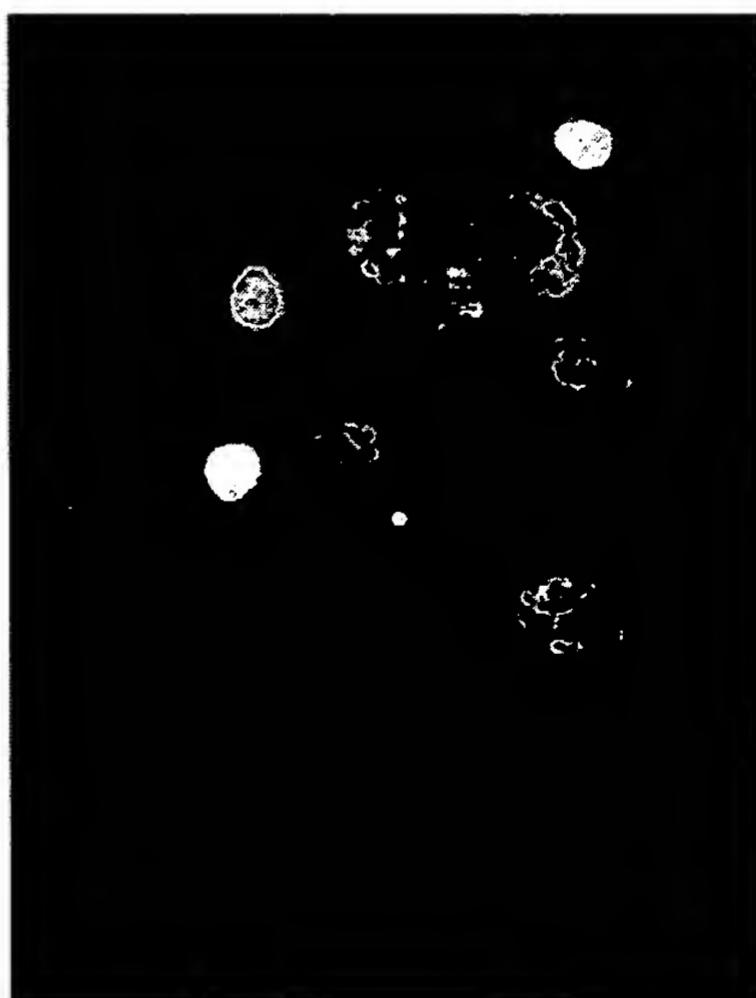
PC-3 Dual Cells were treated by Taxol (0.8 µg/ml)



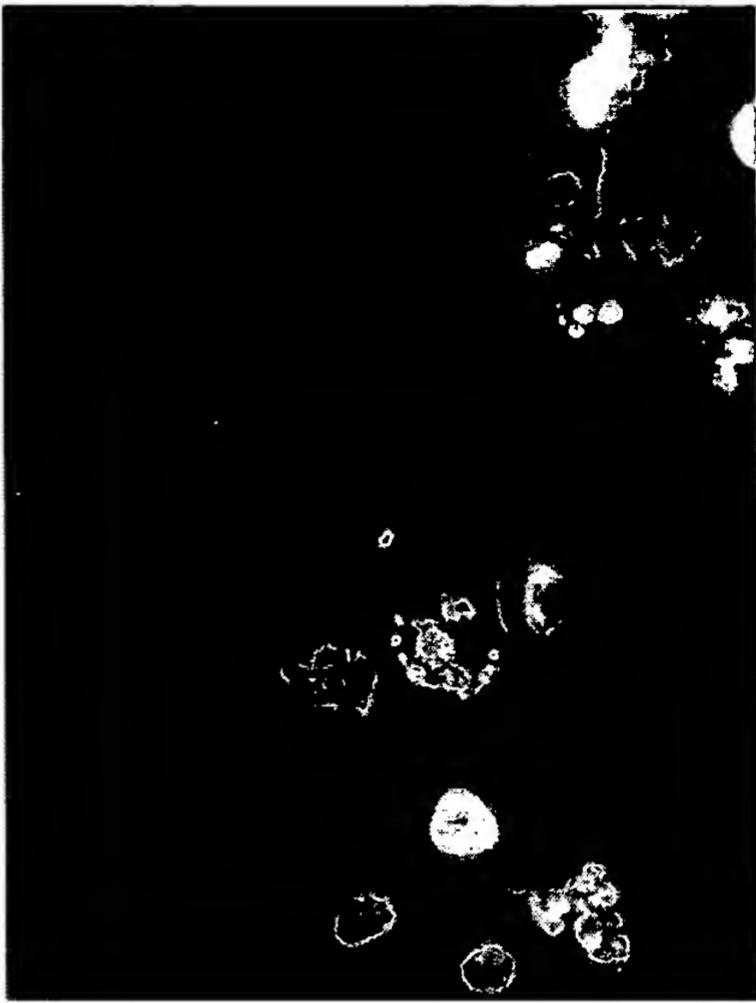
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T24 (Magnification:200x)



T48 (Magnification:200x)

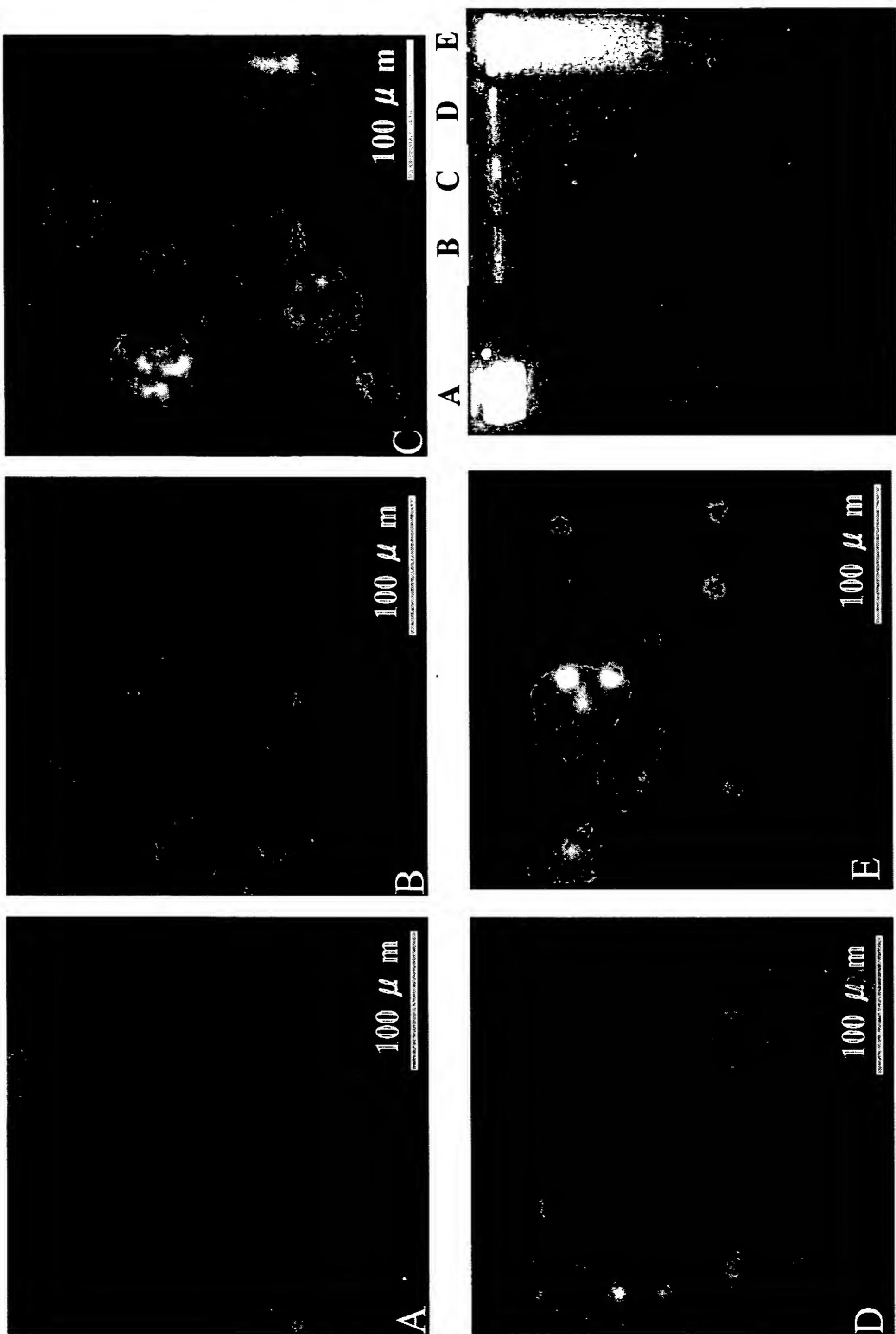


T96 (Magnification:200x)

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Figure 9

Visualizing taxol induced apoptotic cells in vitro in real time

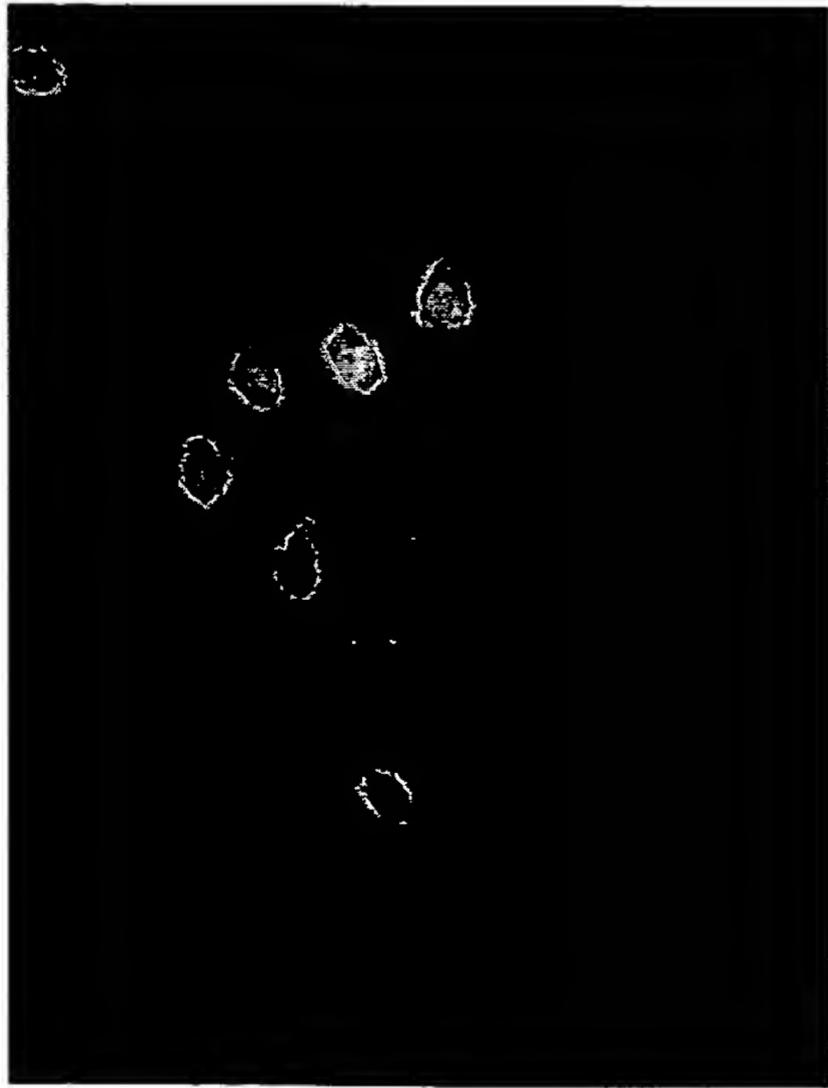


Real-time apoptosis were observed under fluorescence microscopy and verified by DNA ladder analysis when PC-3-dual cells were incubated with 0.8 μg Taxol. (A) control; (B) 12 hours after treatment; (C) 24 hours after treatment; (D) 36 hours after treatment; (E) 48 hours after treatment.

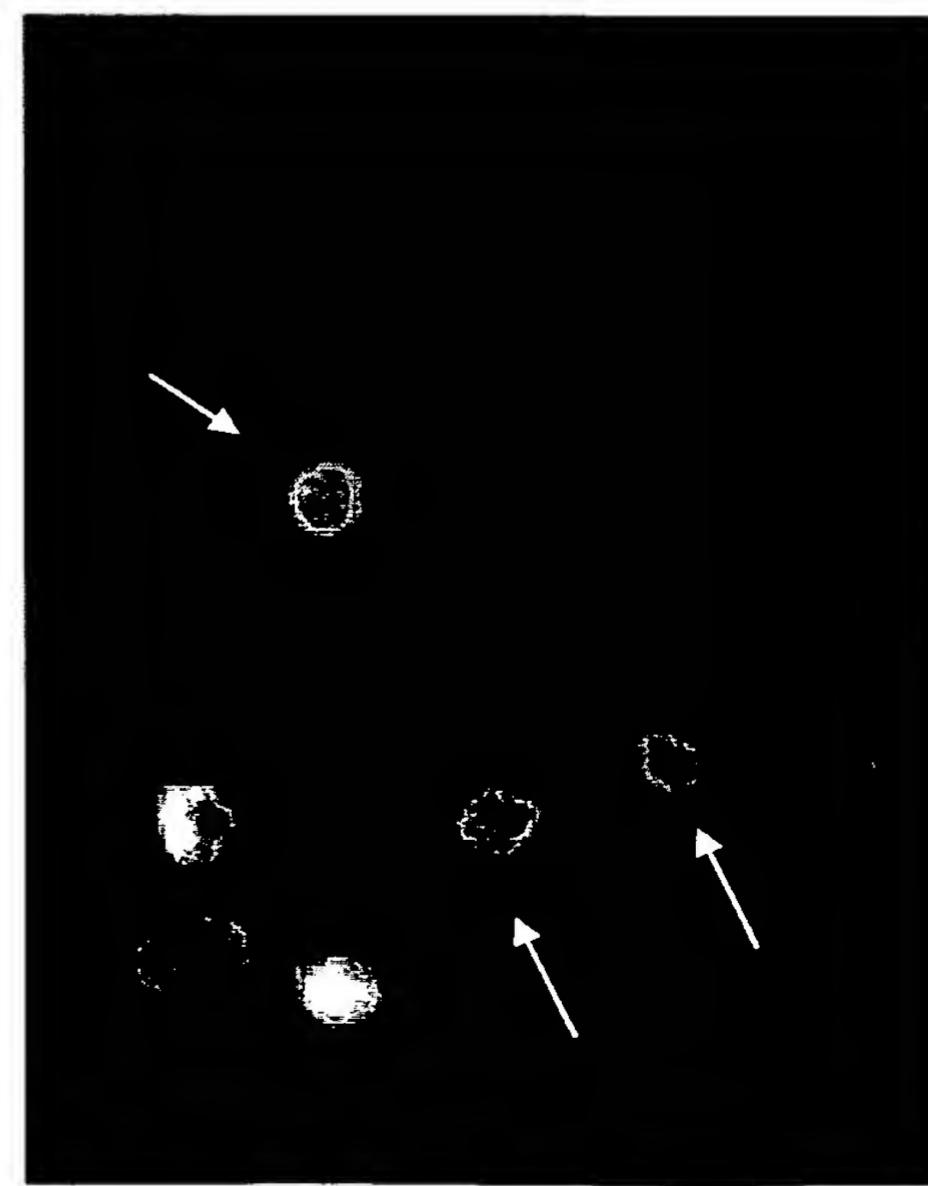
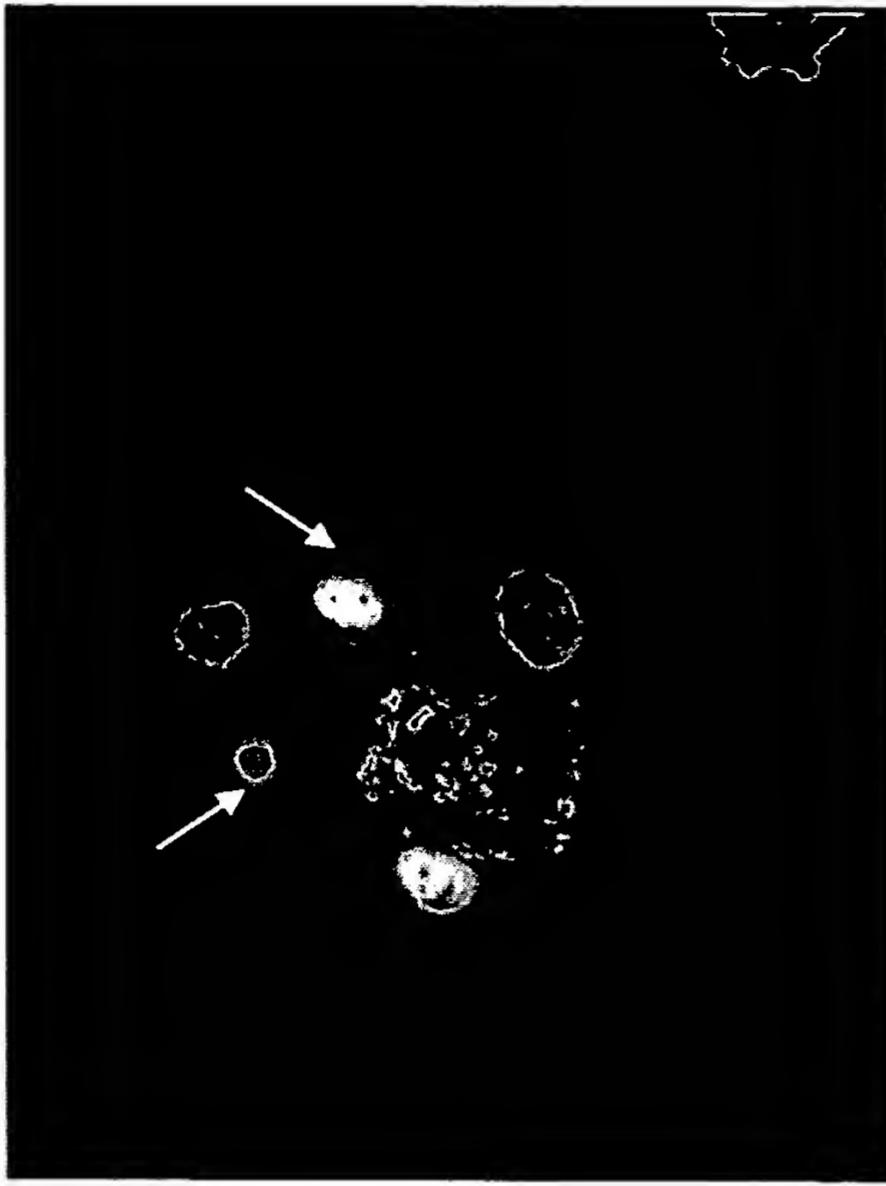
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Figure 10

PC-3 Dual Cells were treated by Vinblastin (62 μ g/ml)



T0 (Magnification:200x)



T48 (Magnification:200x)

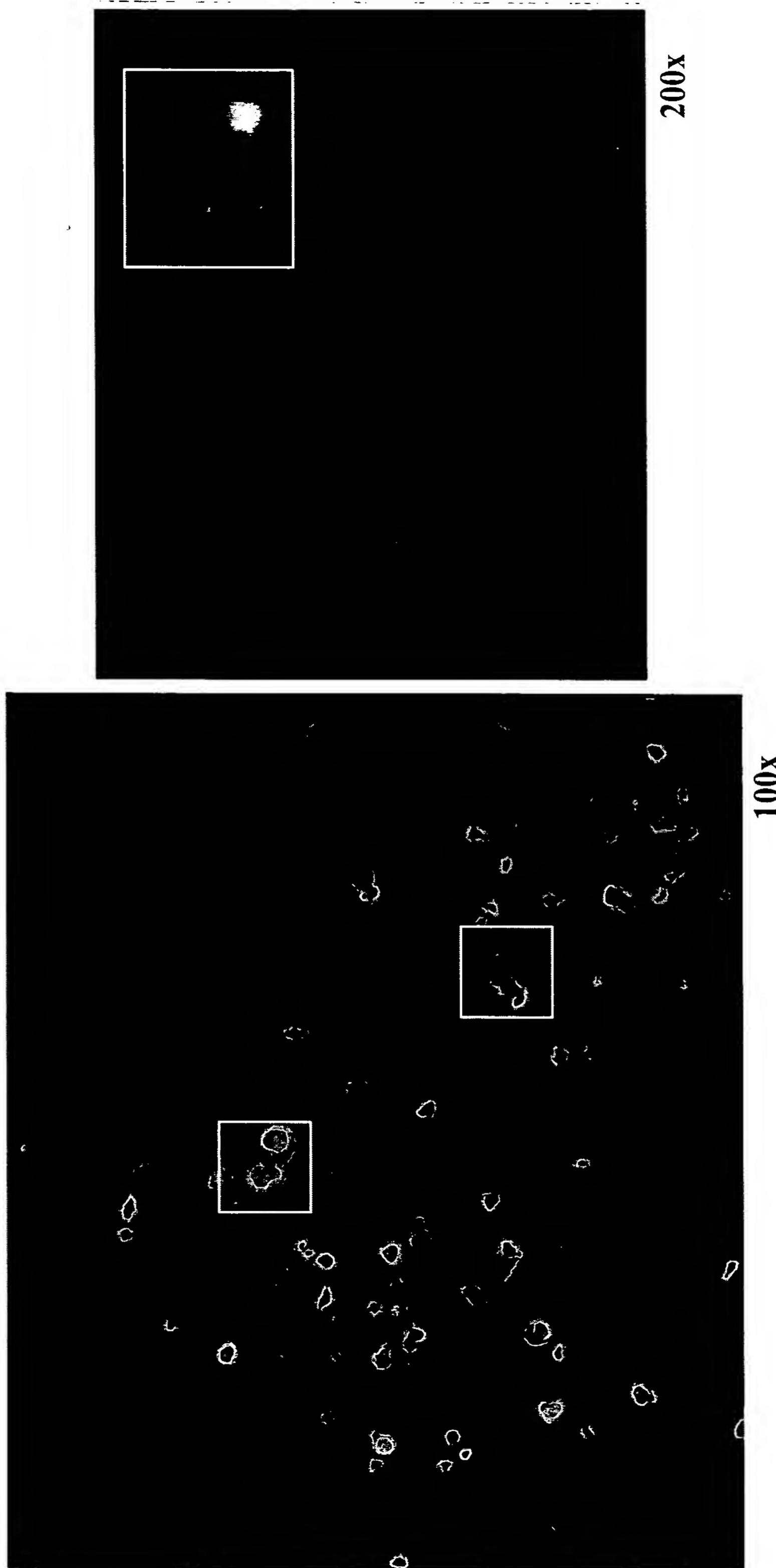
T96 (Magnification:200x)

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Visualizing apoptotic cancer cells in vivo

Figure 11

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PC-3 Dual colored human prostate cancer cells were injected in the foot pad of nude mice. The mice were sacrificed after 20 days. Apoptotic PC-3 dual colored cell was observed in the lymph node under fluorescence microscopy